



National Weather Service

Storm Data and Unusual Weather Phenomena



October 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	

NEW MEXICO, Southeast

NMZ027>029

Guadalupe Mountains Of Eddy County - Eddy County Plains - Lea

01	0000MST	0	0		Drought
31	2359MST				

Drought conditions continued in Southwest Texas and Southeast New Mexico. Agricultural losses will be great but will not be included until the end of the harvest when totals are calculated. October was the wettest month for 1998 across much of the region with most stations reporting more than 1 inch of rain and many reporting over 2 inches. However, the effects of the drought were still being felt across the region.

Eddy County

2 W Whites City

27	1430MST	0	0	1K	Thunderstorm Wind
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Thunderstorm winds blew down a sign near the entrance of Carlsbad Caverns National Park

Eddy County

Black River

27	1435MST	0	0	1K	Thunderstorm Wind
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Thunderstorm winds damaged fences in and around the Black River Village area

Eddy County

2 N Malaga

27	1450MST	0	0		Hail(2.00)
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The supercell that hit Whites City and the Black River Village continued on its ENE track into the Loving/Malaga area. Two inch diameter hail fell north of Malaga

Eddy County

25 E Carlsbad

27	1500MST 1600MST	0	0		Flash Flood
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Very heavy rains from training cells caused minor flooding near the Waste Isolation Pilot Plant in extreme eastern Eddy County.

Lea County

12 WSW Eunice

27	1608MST	0.5	100	0	0	Tornado (F0)
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A New Mexico State Police Trooper reported a brief tornado over open country.

Lea County

Eunice

27	1625MST	0	0		Hail(1.00)
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The supercell storm that crossed Eddy County moved over rural parts of Lea County before striking Eunice. This storm then crossed the Texas border into northeastern Andrews County.

Lea County

6 E Mc Donald

27	1825MST	0	0	5K	Thunderstorm Wind
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Thunderstorm winds severely damaged two barns in the McDonald and the Prarieview areas.

Eddy County

Carlsbad

30	1659MST	0	0		Hail(1.00)
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Lea County

Bennett

30	1815MST	0	0		Hail(1.75)
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Lea County

Jal

30	1833MST	0	0	2K	Thunderstorm Wind
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Power lines knocked down.

Lea County

Jal

30	2000MST	0	0		Hail(1.75)
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Lea County

Jal

30	2000MST	0	0		Thunderstorm Wind (52)
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Lea County

Hobbs

30	2210MST	0	0		Hail(0.75)
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Lea County

Nadine

30	2305MST	0	0		Hail(0.75)
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TEXAS, West

TXZ045>048-050>052-057>063-067>070-074>075-079>082 **Gaines - Dawson - Borden - Scurry - Andrews - Martin - Howard - Van Horn/Guadalupe Mountains Area - Reeves County And Upper Trans Pecos - Loving - Winkler - Ector - Midland - Glasscock - Ward - Crane - Upton - Reagan - Davis Mountains - Pecos - Presidio Valley - Marfa Plateau - Big Bend Area - Terrell**

01	0000CST	0	0			Drought
31	2359CST					

Drought conditions continued in Southwest Texas and Southeast New Mexico. Agricultural losses will be great but will not be included until the end of the harvest when totals are calculated. October was the wettest month for 1998 across much of the region with most stations reporting more than 1 inch of rain and many reporting over 2 inches. However, the effects of the drought were still being felt across the region.

Terrell County
28 NNE Dryden

05	1805CST	0	0		Hail(0.75)
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Terrell County
Sanderson

05	1840CST	0	0		Hail(0.75)
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During the late afternoon, elevated thunderstorms developed north of a slow moving cold front and tracked off to the northeast. These storms produced several reports of small hail.

Culberson County
8 S Van Horn

27	1615CST	0	0		Hail(1.75)
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This storm entered southern Culberson County from extreme southern Hudspeth County. Golfball size hail fell on U.S. Highway 90 south of Van Horn.

Reeves County
Orla

27	1635CST	0	0	1K	Hail(1.25)
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This storm broke out windows at the Orla Post Office before going on to produce a tornado to the northeast of Orla.

Reeves County
6 NE Orla to
7 NE Orla

27	1645CST	1	300	0	0	Tornado (F1)
	1650CST					

A spotter reported to Emergency Management Officials that a large tornado formed northeast of Orla and lasted about 5-6 minutes. This storm was a right-moving supercell that had persisted for over two hours. No damage was reported as the tornado was over open country.

Winkler County
3 NW Wink

27	1820CST	0	0		Thunderstorm Wind (53)
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The observer at the Winkler County Airport recorded a 53 knot (61 mph) gust.

Ward County
Pyote

27	1845CST	0	0		Hail(1.25)
	1850CST				

Winkler County
Countywide

27	1900CST	0	0		Flash Flood
	2000CST				

The Orla storm continued to move to the east and began to cause heavy rains. Many county roads across the county became flooded.

Crane County
Crane

27	2110CST	0	0		Hail(1.50)
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This storm developed on the south flank of the storm that went through Culberson, Reeves, and Winkler Counties. This storm took about a 290 degree track while the storm to the north moved at about 270 degrees.

Andrews County
25 WNW Andrews

27	1745CST	0	0		Hail(0.75)
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This storm had a long history of severe weather while crossing Southeast New Mexico. The storm quickly moved through the northwestern corner of Andrews County, then moved into southern Gaines County where it eventually weakened.



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TEXAS, West

Low-level moisture and moderate to strong dynamics came together for a minor outbreak of severe weather on this afternoon and evening. At the surface a slowly moving cold front acted as a focus, while a strongly diffluent flow in the upper levels helped to intensify storms. CAPE values were around 1500 J/kg with SRH values near 150 m2/s2. For a period in the late afternoon many storms were exhibiting rotation with several of these storms taking right turns

Reeves County

9 N Pecos

30	1505CST				0	0			
	1528CST								Hail(1.75)

The hail was in a two mile wide swath that crossed US 285 and FM 1216 stripping bark and foilage from mesquite bushes.

Reeves County

7 N Pecos

30	1515CST	3	100		0	0			Tornado (F0)
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A supercell storm north of Pecos produced a weak tornado that caused little if any damage. The tornado dissipated before the storm passed into Ward county.

Winkler County

Wink

30	1615CST				0	0			Hail(1.75)
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Brewster County

Alpine

30	1710CST				0	0			Hail(1.50)
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Brewster County

Alpine

30	1743CST				0	0			Hail(1.00)
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Andrews County

Andrews

30	2202CST				0	0			Hail(0.88)
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An upper level disturbance spinning ahead of a strong trough to the west supplied lift to an unstable air mass with surface temperatures in the 70s and CAPE values up to 2500 J/kg. Thunderstorms developed from late afternoon and continued throughout much of the night. There were a number reports of damaging wind and large hail, with a small tornado also observed.

Howard County

8 S Big Spring

31	1639CST				0	0			Hail(0.75)
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Glasscock County

Garden City

31	1740CST				0	0			Hail(1.00)
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Reagan County

22 W Big Lake

31	1800CST				0	0			Hail(0.75)
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A series of storms developed during the late afternoon ahead of a cold front in unusually warm moist air for late October. With a deep layer of shear, steepening lapse rates, and clearing ahead of the front, destabilization resulted in thunderstorm development which continued until late night when the storms moved east out of the area.

Pecos County

Iraan

31	1845CST				0	0			Flash Flood
	2030CST								

Most roads in town were flooded including SH 349 four miles south of town.

Terrell County

20 NNE Dryden

31	2110CST				0	0	2K		Thunderstorm Wind
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A large isolated thunderstorm developed in central Brewster Country and tracked NE into Terrell County where it knocked down power lines.